

TEXAS DEPARTMENT OF INSURANCE

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PRODUCT EVALUATION

DR-689

Effective Date: August 1, 2014

Reevaluation Date: **April 2015**

The following product has been evaluated for compliance with the wind loads specified in the **International Residential Code (IRC)** and the **International Building Code (IBC)**.

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code and the Texas Engineering Practice Act.

Fiberglass Outswing Hinged Glazed Doors with Sidelites, Impact Resistant, manufactured by

Nan Ya Plastics Corporation USA / Neuma Doors

8989 North Loop East

Houston, Texas 77029

Telephone: (713) 674-7822

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Fiberglass Outswing Hinged Glazed Doors with Sidelites	R-PG70 143 x 83-SHD Missile Level D; DP +70/-70	+70/-70 psf

Product Dimensions:

System	Overall Size	Active/Passive Panel Size	Sidelite Panel Size	Glass Daylight Opening Size
1	143.00" x 82.50"	Two: 34.50" x 80.31"	Two: 34.50" x 80.31"	25.00" x 63.00"

Product Identification (Certification Agency Label on Door (Two Labels)):

System	Certification Agency	NAMI
1	Manufacturer's Name or Code Name	Nan Ya Plastics USA
	Product Name	<u>Label 1:</u> Outswing Fiberglass Patio Door w/ or w/o Sidelites
		<u>Label 2:</u> Out-Swing Impact Rated Fiberglass Clad Entrance Door w/ or w/o Sidelites
	Test Standards	<u>Label 1:</u> AAMA/WDMA/CSA 101/I.S.2/A440-08 AAMA 506-08; ASTM E 1886-05 ASTM E 1996-05; Missile Level D
		<u>Label 2:</u> ASTM E 1886-05 ASTM E 1996-05; Missile Level D; Wind Zone 4

Hardware:

- Hinges; Three required per door; Secured to the door panel with four No. 10 x 2" flat head screws. Secured to the door jamb with two No. 10 x $\frac{7}{8}$ " screws and two No. 10 x 2" screws.
- Surface mount 4-point locking system with lever type handle key operator; Located on the active door panel.
- Surface mount 2-point locking system with lever type handle key operator; Located on the inactive panel.
- Strike plate; One required; Located on the inactive panel lockstile; Secured with two No. 10 x $\frac{7}{8}$ " screws and two No. 10-32 x $\frac{5}{16}$ " screws.
- Strike plate; Two required; Located on the inactive panel lockstile; Secured with two No. 10 x $\frac{7}{8}$ " screws.
- Strike plate – head; One required; Located on the door frame head; Secured with two No. 10 x $\frac{7}{8}$ " screws.
- Strike plate – threshold; One required; Secured to the threshold with two No. 8 x $\frac{5}{8}$ " screws.

Sill and Threshold:

- 1.63" high aluminum outswing sill

Impact Resistance:

Impact Resistant	Requirement
Yes	These products satisfy the Texas Department of Insurance's criteria for protection from windborne debris in the Inland I and Seaward zone . The assemblies may be installed at any height on the structure as long as the design pressure rating for the assemblies is not exceeded.

Qualified Configurations: O / X / OX / XO / OXO / XX / XXO / OXX / OXXO. Sidelites may be installed without doors.

Installation:

Design Drawings: The doors shall be installed in accordance with Drawing No. 08-01539, titled "Out-Swing Entrance Door w/ & w/o Sidelites," sheets 1 through 9 of 9, dated May 30, 2012, revision B, dated March 17, 2014, signed and sealed by Luis R. Lomas., P.E on March 20, 2014. The stated drawings will be referred to as the approved drawings in this evaluation report.

Wall Framing Construction: The doors may be mounted to several types of wall framing construction. The types of wall framing construction allowed include:

- Concrete (minimum compressive strength: 3,200 psi)
- Hollow concrete block; ASTM C-90, Grade N, Type 1 (or greater)
- Wood dimension lumber (minimum Spruce-Pine-Fir)

Installation Details:

- Refer to Sheet 1 of 9 of the approved drawings for the elevation and notes.
- Refer to Sheets 3 of 9 and 4 of 9 of the approved drawings for the anchor layout.
- Refer to Sheets 5 of 9 through 9 of 9 of the approved drawings for installation details.
- The approved drawings indicate the minimum embedment depths for the fasteners and the minimum edge distances (minimum distance fastener must be from the edge of the substrate material) for the fasteners.

Note: The manufacturer's installation instructions shall be available on the job site during installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC), the International Building Code (IBC), and the Texas Revisions.